# Refine Search

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| (dead adj1 sea) adj5 water | 51 |

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**Search History**

**DATE: Wednesday, August 31, 2005** Printable Copy Create Case

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| *DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR* | | | |
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END OF SEARCH HISTORY

L1: Entry 15 of 51 File: USPT Jul 24, 1990

DOCUMENT-IDENTIFIER: US 4943432 A
TITLE: Salt mixture for the treatment of psoriasis

Brief Summary Text (4):
The search for a natural risk-free treatment has, therefore, intensified in recent years. The most well known example is the Dead Sea bath treatment, which was known in antiquity. Dead Sea water contains about 26% by weight of mixed salts and solids. It is known from various studies, for example, E. Azizi et al, Israeli Journal of Medical Sciences, 18, p. 267 (1982) that in the treatment of psoriasis and other skin diseases an average of about 65% of patients given immersion treatments in Dead Sea water are rendered free of symptoms. In addition, 20% show an improvement such that in about 85% of the cases a positive effect is evident. Tests performed under my direction using solutions prepared by reconstituting salt mixtures obtained from Dead Sea salt deposits have exhibited approximately the same results.

Brief Summary Text (6):
The shipment of Dead Sea waters, including waters evaporated to dryness, is not practical on the basis of costs and due to energy requirements and corrosion problems. Nor would this method solve the problems of pollution, allergic and other reactions. The same applies to salts which could be obtained from salt formations, evaporation residues, and naturally occurring deposits in the Dead Sea. These are differentiated from the object of this patent application, among other ways, in that we are dealing with natural products with variable composition and above all variable purity, which contain or at any time could contain undefined materials or unknown materials.

Drawing Description Text (2):
The salt mixture of the present invention contains many of the salts which are naturally present as components of Dead Sea water, but as pointed out above, does not contain essentially any of the impurities referred to above which are found in said waters and which detract from the therapeutic effect. Thus, the composition may be characterized as essentially free of organic impurities which for the purposes hereof are bitumens and oil tars, sewage residues and organic decomposition products, and is of defined purity. The composition may be characterized as composed primarily of a mixture of water soluble salts including a magnesium halide, such as magnesium chloride, with mixed alkali and alkaline earth metal salts such as sodium and potassium chloride and/or bromide and calcium chloride or bromide. Preferably at least about 99% by weight of the content of the salt mixture (not considering water of hydration) is composed of mixtures of these anions and cations. Other cations which are preferably present in the mixture include strontium, aluminium, iron, lithium and zinc, and the other anions include sulphate, hydrogen carbonate, borate, fluoride, silicate, iodide and carbonate. The most preferred composition of the mixture in grams/kilogram, with the remainder up to 1000 grams being water of hydration, is as follows:

Detailed Description Text (7):
These results are significantly better than those results observed where the therapeutic agent used was a 12% aqueous solution of evaporation residue of Dead Sea water. By comparison, patients previously treated in the same manner as set

forth above with Dead Sea water residue showed only an 85% response to freedom from symptoms or improvement after the four to six week period. In addition, it was observed that there were fewer side effects, such as redness of skin, and no allergic reactions involved with the nearly 2,000 patients subjected to the treatment of this invention as compared with treatment using the natural Dead Sea salt as a consequence of which a significant minority of patients suffered from allergic reactions.

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L1: Entry 45 of 51 File: DWPI May 7, 1996

DERWENT-ACC-NO: 1996-272719
DERWENT-WEEK: 199628


TITLE: Compsn for bathing - comprises Dead Sea water salts to give skin moistened, soft, elastic and healthy feel

PATENT-ASSIGNEE: HANAOKA H (HANAI), HASUNUMA K (HASUI)

PRIORITY-DATA: 1994JP-0285784 (October 13, 1994)



PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---|---|---|---|---|
| JP 08113530 A | May 7, 1996 | | 005 | A61K007/50 |

APPLICATION-DATA:

| PUB-NO | APPL-DATE | APPL-NO | DESCRIPTOR |
|---|---|---|---|
| JP 08113530A | October 13, 1994 | 1994JP-0285784 | |

INT-CL (IPC): A61 K 7/00; A61 K 7/50; A61 K 33/14

ABSTRACTED-PUB-NO: JP 08113530A
BASIC-ABSTRACT:

Compsn. for bathing comprises sea water or salts of Dead Sea.

ADVANTAGE - The compsn. provides fair skin with a moistened, soft, elastic and healthy feel.

Salt of sea water of Dead Sea comprising 30.0-34.0% MgCl2, 22.0-28.0% KCl, 12.0-18.0% NaCl, 0.3-0.7% CaCl2 and 26.0-30.0% H2O is mixed with conventional agents used for a compsn. for bathing to give the compsn.

In an example, 30g of a compsn. for bathing contg. 10-50% Dead Sea salt was dissolved in 200 l warm water for bathing and tested by 20 volunteers. 15-90/20 volunteers recognised improvement for the treatment of coarse skin and 14-18/20 recognised moistened feeling.

ABSTRACTED-PUB-NO: JP 08113530A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: D21

CPI-CODES: D08-B09A;

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